

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number  
**WO 2005/084840 A1**

(51) International Patent Classification<sup>7</sup>: **B21B 28/04,**  
D21F 3/00

[SE/SE]; Blockvägen 9, S-824 34 Hudiksvall (SE). ÖD-  
MARK, Leif [SE/SE]; Solvägen 29, S-864 33 Matfors  
(SE).

(21) International Application Number:  
PCT/SE2005/000330

(74) Agent: **BERGENSTRÄHLE & LINDVALL AB**; Box  
17704, S-118 93 Stockholm (SE).

(22) International Filing Date: 7 March 2005 (07.03.2005)

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:  
0400588-0 9 March 2004 (09.03.2004) SE

(71) Applicant (for all designated States except US): **METSO  
PAPER, INC.** [FI/FI]; P O Box 1220, FIN-00101 Helsing-  
fors (FI).

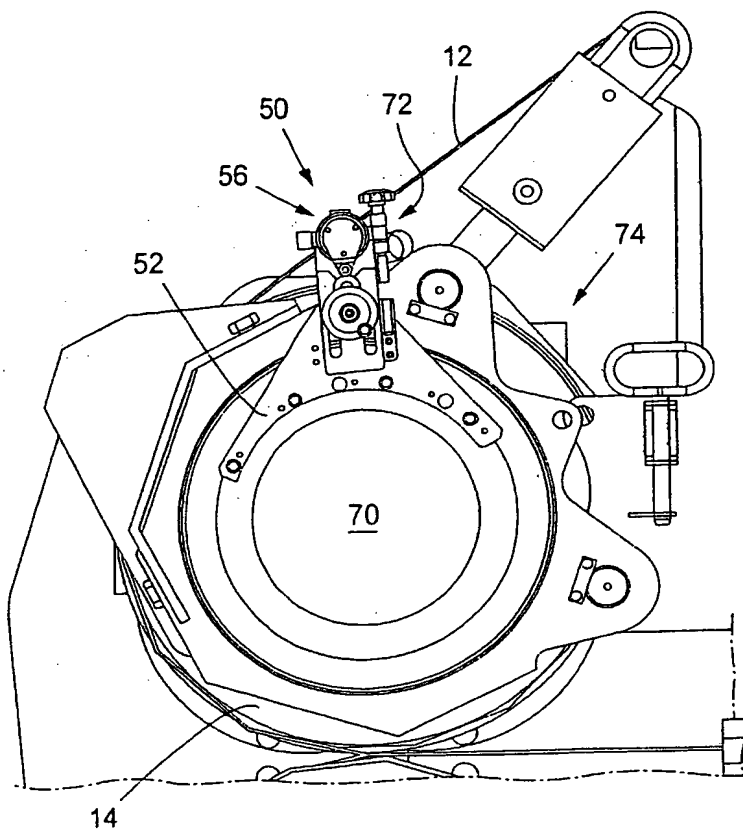
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HÄGG, Torbjörn**

[Continued on next page]

(54) Title: **METHOD AND APPARATUS AT A TWIN-WIRE PRESS AND ALSO A TWIN-WIRE PRESS**



(57) Abstract: The present invention relates to a method for machining of a surface (31) of a roll in a twin-wire press (2), comprising lower rolls (4, 6, 8, 25'), an endless lower wire (10), upper rolls (14, 16, 18, 25''), and an endless upper wire (12). The rolls comprise a coating (32). An apparatus (50) having a movable machining tool (54) for machining of the coating (32) is arranged in connection to a space between a wire (10, 12) and a roll (4, 6, 8, 14, 16, 18, 25', 25''). The machining tool (54) of the apparatus is moved, in contact against the surface of the roll (31) for cutting of the coating (32) to a desired level during rotation of the roll. The present invention also relates to an apparatus (50) for machining of a surface (31) of a roll in a twin-wire press for dewatering of a fibre suspension comprising said apparatus.

WO 2005/084840 A1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*